

WHAT IS CLAIMED IS:

1. A method for performing a load flow test among a plurality of IEEE 1394 controllers, wherein said IEEE 1394 controllers are disposed on a plurality of interface cards individually, said method comprising said steps of:

5 (a) initializing said interface cards and setting one of said interface card as a master interface card and said other interface cards as slave interface cards;

(b) said master interface card initializing a plurality of communication protocol packets while said slave interface cards sending a plurality of first ready signals;

10 (c) said master interface card sending said communication protocol packets to the slave interface cards for responding to said first ready signals;

(d) said slave interface card sending a plurality of second ready signals for responding to the communication protocol packets sent by said master interface card;

15 (e) said master interface card starting to perform said load flow test for responding to the second ready signals;

(f) checking said status of every interface card for confirming whether an error occurs or not and sending a plurality of check packets to the slave interface cards by said master interface card, wherein debugging is performed if said error occurs;

(g) said slave interface cards sending a plurality of third ready signal for

responding to the check packets;

(h) said master interface card sending a plurality of confirm signals to said slave interface cards for responding to said third ready signals; and

5 (i) said slave interface cards checking said test results for responding to said confirm signals.

2. The method according to claim 1, wherein said interface cards are placed on at least one host, said step (a) further comprising said steps of:

(a1) initializing said interface cards;

(a2) waiting an operating system of said host being ready; and

10 (a3) building a test environment for communicating said interface cards with one another.

3. The method according to claim 2, wherein said operating system of said host is Microsoft Disk Operating System (MS-DOS).

4. The method according to claim 1, wherein said communication protocol
15 packet is built by a command file mode, edit mode, or random mode.

5. A method for performing a load flow test between a master interface card and a slave interface card, said method comprising said steps of:

(a) initializing said master interface card and said slave interface cards and building a test environment;

(b) said master interface card initializing a communication protocol packet;

(c) said master interface card sending said communication protocol packets for
5 responding to a first ready signal from said slave interface card;

(d) said slave interface card sending said ready signal again for responding to said communication protocol packet;

(e) said master interface card starting to perform said load flow test for
responding to said ready signal in step (d) and checking said status of every interface
10 card for confirming whether an error occurs or not;

(f) debugging if any error occurs in step (e) and rebuilding said environment;
otherwise sending a check packet;

(g) said slave interface card sending said ready signal again for responding to said check packet;

15 (h) said master interface card sending a confirm signal to said slave interface card for responding to said ready signal;

(i) said slave interface card checking said test results for responding to said confirm signal; and

(j) said master interface card sending an instruct signal for deciding either exiting or resuming.

6. The method according to claim 5, wherein said test environment is Microsoft Disk Operating System (MS-DOS).

5 7. The method according to claim 5, wherein said communication protocol packet is built by a command file mode, edit mode, or random mode.

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